











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... **Lawrence O'Gorman**. **Lawrence O'Gorman** is a Research Scientist at Avaya Labs Research where he works in ... Dr.
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Larry O'Gorman**Larry O'Gorman's Web Page**

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Fields of Work:

- Image processing, pattern recognition, security
- End-user authentication
- My work in the recent few years has combined aspects of signal processing and security. Applications include: biometrics, anti-counterfeiting of documents, and watermarking.

Recent Publications:

- "[Comparing Passwords, Tokens, and Biometrics for User Authentication](#)," Proceedings IEEE, Vol. 91, No. 12, Dec. 2003, pp. 2019-2040. Paper compares the 3 general types of authenticators with respect to security advantages and disadvantages.
- "[Call center customer verification by query-directed passwords](#)," Int. Conf. Financial Cryptography, FC'04, Florida, Feb. 2004. Paper describes how QDP (Query-Directed Passwords) can be used for convenient and secure customer authentication at call centers.
- "[Securing Business's Front Door](#)", 30-Sept-02
Paper describes authentication technologies to a business audience, including passwords, smart cards, biometrics, and future technologies. (Word document.)
- "[Human Authentication: The Achilles Heel of Secure Systems](#)"
Background on human authentication, issues with current technologies, future trends and technologies. Presented at Stevens Institute, 25-Mar-02. (Powerpoint presentation.)
- "[Seven Issues with Human Authentication Technologies](#)" Technological

issues and limitations with human authentication methods as applied to public security applications. Presented at CAIP Symposium on Information Technologies for Homeland Security, Rutgers University on 29-Nov-01. (Powerpoint presentation.)

Other External Publications, Etc:

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Avaya Labs Research

Larry O'Gorman

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SELECTED INVITED TALKS:

Rutgers University, CAIP Center (October 2003),

Stevens Institute (March, 2002),

Homeland Security Symposium, Rutgers University (November 2001),

Telcordia Technologies (March 2001), Princeton University (February 2001),

Biometric Consortium Meeting (September 2000),

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Lucent Security Symposium (February 1998),

West Virginia University (November 1998),

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University of Nebraska at Lincoln (Aug 1994),

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- NRC Assessment Panel for NIST Information Technology Lab: 1999-2004
- IEEE Trans. Circuits and Systems for Video Technology, Special Issue on Image- and Video-Based Biometrics, Guest Editor, 2004, Jan., Feb., issues
- IAPR Newsletter Editor: 2002-
- Editorial board member for:
 - Pattern Recognition
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 - International Journal of Document Analysis and Recognition
 - International Journal on Artificial Intelligence Tools (-1998)
- NJ Commission on Science and Technology, Review Committee, 2003
- NJ Center for Pervasive Information Technology, Princeton University, Advisory Board, 1999, 2002
- IEEE Computer Fellow Committee: 1998-2001
- IAPR Fellow Committee: 2000
- IAPR Industrial Liaison Committee: 1994-2000 (chair 1998)
- IEEE Security and Privacy Editor-in-Chief Search Committee, 2002
- IEEE PAMI Editor-in-Chief Search Committee, 1998
- Co-editor, IEEE Trans. Circuits and Systems for Video Technology, Special Issue on Image- and Video-Based Biometrics, 2003
- Associate Editor, Lecture Notes for Computer Science, GREC Issue, 2003

- Industrial Advisory Board, CAIP Center, Rutgers University, 2001-
- IEEE PAMI Editor-in-Chief Search Committee
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